

CLAIMS

1. Set of equipment according to the invention for secure direct information transfer over the Internet, which contains information transmitting terminal devices suitable for collaborating with an information forwarding network, taking part in the information traffic, the individual information transmitting terminal devices are equipped with a sender partial unit, a receiver partial unit and a storage partial unit comprising an ID-register containing a device identification signal, a C-register suitable for storing a coding key and a D-register suitable for storing a decoding key, where the C-register containing the coding key is in connection with the sender partial unit, and a coding key and a collaborating decoding key are allocated to the individual information transmitting terminal devices, **characterised by** that the storage partial unit (11) of each information transmitting terminal device (10) is completed with one or more temporary storage registers (15) for the temporary storage of the coding keys (26) of other information transmitting terminal devices (20), while the information forwarding network (30) is completed with at least one central traffic co-ordinating unit (40), the central traffic co-ordinating unit (40) has an MD-register (42) storing a master decoding key (42a) and a memory unit (43) containing base cells (43a, 43b) for storing the coding keys (16, 26) belonging to the individual information transmitting terminal devices (10, 20) and a master coding key (41a) collaborating with the master decoding key (42a) is allocated to the central traffic co-ordinating unit (40), and the C-registers (13a, 23a) of the information transmitting terminal devices (10, 20) are provided with a master coding key (41a) collaborating with the master decoding key (42a) stored in the MD-register (42) of the central traffic co-ordinating unit (40).
2. Set of equipment as in claim 1, **characterised by** that the temporary storage registers (15, 25) of the information transmitting terminal devices (10, 20) are connected to the sender partial unit (18, 28).
3. Set of equipment as in claim 1 or 2, **characterised by** that the central traffic co-ordinating unit (40) is provided with an MC-register (41) storing a master coding key (41a).

4. Set of equipment as in any of claims 1–3, **characterised by** that in the storage partial unit (11, 21) of the individual information transmitting terminal devices (10, 20) there is only information free from the given information transmitting terminal (10, 20) device's own coding key (16, 26).